

AMENDMENTS TO THE CLAIMS

1 – 41 (Cancelled)

42. (Currently Amended) A transceiver in a radio communication system comprising:

a transmitter for transmitting data ~~information~~ over an air interface at a transmission data rate;

a temperature measuring device for determining a temperature of said transceiver; and

a processor coupled to said transmitter and said temperature measuring device, said processor configured to:

compare said measured temperature with a threshold temperature; and

selectively ~~reduce~~ modify a transmit transmission power level and a transmission data rate associated with transmitting the data ~~a transmission originating~~ from said transceiver based on said comparison.

43. (Previously Presented) The transceiver of claim 42, further comprising an output device associated with said transceiver for providing an indication of said measured temperature.

44. (Previously Presented) The transceiver of claim 42, wherein said processor is further configured to respond to transmit power control.

45. (Currently Amended) The transceiver of claim 44, wherein said processor is further configured to increase said transmit power and reduce said ~~a~~ transmission data rate in response to receiving a transmit power control command instructing said transceiver to increase its transmit power.

46. (Currently Amended) The transceiver of claim 45, wherein said processor is further configured to request said transmission data rate reduction prior to implementing said transmission rate reduction.

47. (Currently Amended) The transceiver of claim 42 ~~claim 44~~, wherein said processor is further configured to:

cause said transmission data rate modification ~~reduction~~ to be implemented in said transceiver; and

cause an indication of said transmission data rate modification ~~reduction~~ to be transmitted to a remote device in the radio communication system.

48. (Currently Amended) The transceiver of claim 42, wherein said processor is ~~further~~ configured to cause said transmit power and said transmission data rate to be reduced when said measured temperature exceeds said threshold temperature.

49. (Previously Presented) The transceiver of claim 43, wherein said reduced transmission power is displayed as a percentage of a maximum transmission power.

50. (Previously Presented) The transceiver of claim 49, wherein said maximum transmission power is related to the maximum transmission power of said transceiver.

51. (Previously Presented) The transceiver of claim 43, wherein said reduced transmission power is displayed as a percentage reduction from a maximum transmission power.

52. (Currently Amended) The transceiver of claim 51, wherein said maximum transmission power is related to the maximum transmission power allowed by the radio communication system ~~a radiocommunication system within which said transceiver is operating.~~

53. (Currently Amended) A mobile station in a radio communication system comprising:
a temperature measuring device ~~means~~ for measuring a temperature level in said mobile station;
a processor ~~means~~ for selectively modifying a transmit power level and a transmission data rate associated with transmitting data ~~reducing a transmission power associated with information transmission~~ from the mobile station over an air interface responsive to said measured temperature level; and
an output device ~~means~~ for providing an indication of said modified ~~reduced~~ transmission power.

54. (New) The mobile station of claim 53, wherein said processor is further configured to cause an indication of said modified transmission data rate to be transmitted to a remote device in the radio communication system.

55. (New) The mobile station of claim 53 wherein the processor selectively modifies the transmission data rate by reducing the transmission data rate when said measured temperature exceeds a threshold temperature.